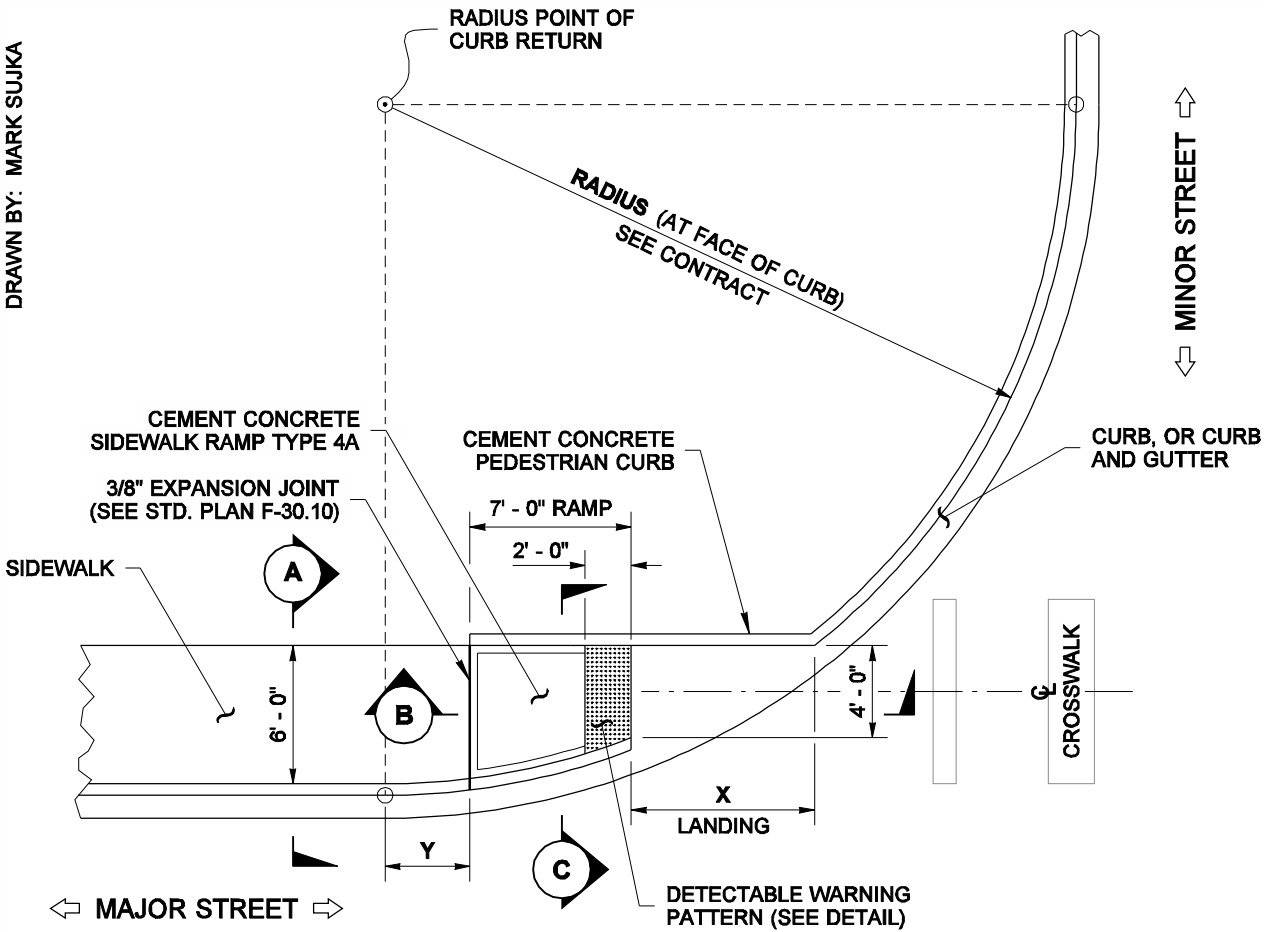
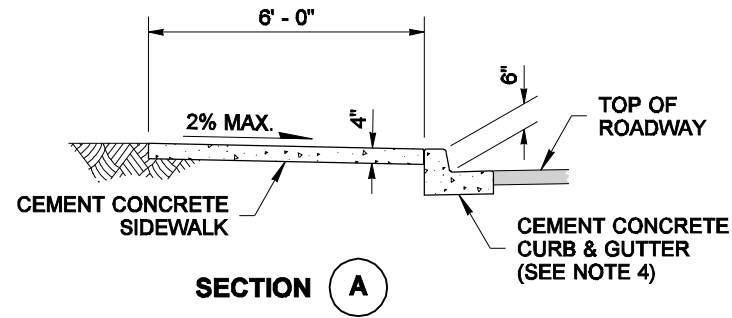


DRAWN BY: MARK SUJKA

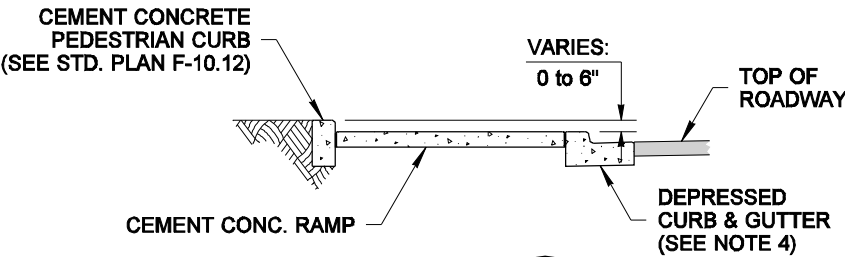


PLAN VIEW

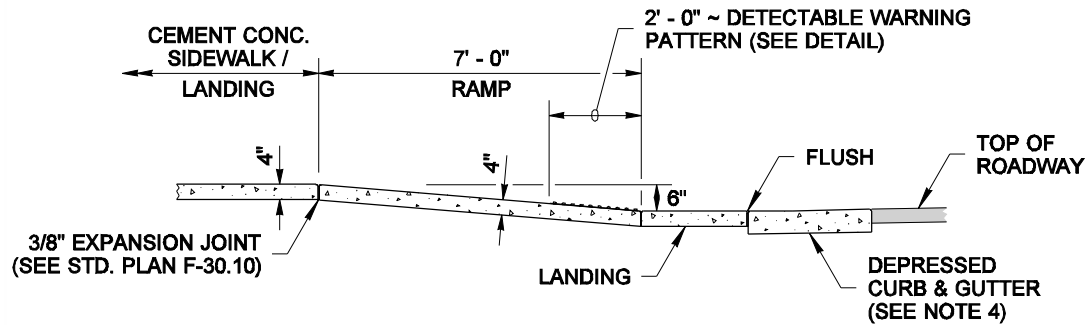
**SIDEWALK RAMP TYPE 4A
LAYOUT**



SECTION A



SECTION C



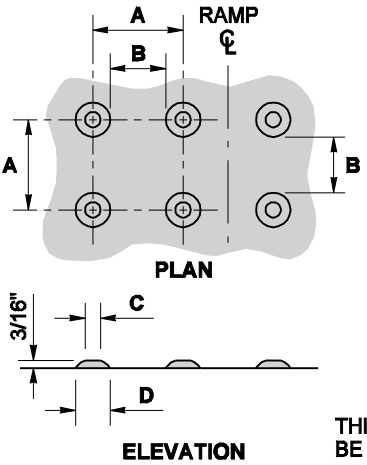
SECTION B

RADIUS AT FACE OF CURB	X LANDING	Y DISTANCE FROM P.C.
20 FEET	6' - 2 1/2"	1' - 7"
30 FEET	8' - 0 1/4"	3' - 8"
40 FEET	9' - 6 1/4"	5' - 4 3/4"
50 FEET	10' - 9 3/4"	6' - 11"
60 FEET	11' - 11 1/2"	8' - 3 1/2"
70 FEET	13' - 0"	9' - 6 1/2"
80 FEET	13' - 11 1/2"	10' - 8 1/2"
90 FEET	14' - 10 1/2"	11' - 9 3/4"
100 FEET	15' - 8 3/4"	12' - 10 1/4"

INTERMEDIATE RADII CAN BE INTERPOLATED

NOTES

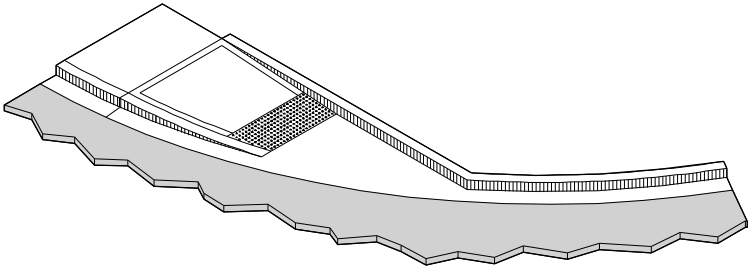
1. This layout is used to provide access to a single crosswalk parallel to the major street. The bid item "Cement Conc. Sidewalk Ramp Type 4A" does not include the adjacent Curb (or Curb & Gutter), the Sidewalk, or the Cement Conc. Pedestrian Curb.
2. Ramp slopes shall not be steeper than 12H:1V.
3. Avoid placing drainage structures, junction boxes or other obstructions in front of ramp access areas.
4. Curb & Gutter is shown, see the Contract Plans for the curb design specified. See Standard Plan F-10.12 for curb details.
5. See Std. Plan F-30.10 for sidewalk joint placement and details.
6. The bottom of the ramp shall have a level area (not in excess of 2% in any direction), 4' x 4'.



	MIN.	MAX.
A	1 5/8"	2 3/8"
B	5/8"	1 1/2"
C	7/16"	3/4"
D	7/8"	1 7/16"

THIS PATTERN AREA SHALL
BE YELLOW IN COLOR

DETECTABLE WARNING PATTERN DETAIL



ISOMETRIC VIEW



EXPIRES AUGUST 26, 2007

**SIDEWALK RAMP TYPE 4A
WITH LAYOUT**

STANDARD PLAN F-40.16-00

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Ken L. Smith

STATE DESIGN ENGINEER

02-07-07

DATE



Washington State Department of Transportation

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT. IT IS A PRELIMINARY DESIGN. THE ORIGINAL DESIGN SHALL BE THE ENGINEER'S RESPONSIBILITY. THE ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT. A COPY MAY BE OBTAINED UPON REQUEST.